



# STIC Search Report

## Biotech-Chem Library

STIC Database Tracking Number: 10/653528

**TO:** Sean McGarry  
**Location:** REM/2D19/2C18  
**Art Unit:** 1635  
**Friday, March 03, 2006**  
**Case Serial Number:** 10/653528

**From:** Toby Port  
**Location:** Biotech-Chem Library  
REM-1A59  
**Phone:** 571-272-2523  
**[toby.port@uspto.gov](mailto:toby.port@uspto.gov)**

### Search Notes

Examiner McGarry,

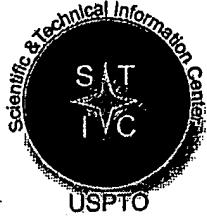
See attached results. Please note that the search for Seq ID 1 (787-815) did not process. I have a call into systems support to find out why this one piece of your search failed. I am waiting to hear from them before rerunning it and I will keep you posted on what I find out.

If you have any questions about this search feel free to contact me at any time.

Thank you for using STIC search services!

Toby Port  
X22523

This Page Blank (uspto)



# STIC SEARCH RESULTS FEEDBACK FORM

## Biotech-Chem Library

Questions about the scope or the results of the search? Contact **the searcher or contact:**

**Mary Hale, Information Branch Supervisor**  
Remsen Bldg. 01 D86  
571-272-2507

### Voluntary Results Feedback Form

➤ *I am an examiner in Workgroup:*  *Example: 1610*

➤ *Relevant prior art found, search results used as follows:*

- 102 rejection
- 103 rejection
- Cited as being of interest.
- Helped examiner better understand the invention.
- Helped examiner better understand the state of the art in their technology.

*Types of relevant prior art found:*

- Foreign Patent(s)
- Non-Patent Literature  
(journal articles, conference proceedings, new product announcements etc.)

➤ *Relevant prior art not found:*

- Results verified the lack of relevant prior art (helped determine patentability).
- Results were not useful in determining patentability or understanding the invention.

**Comments:**

Drop off or send completed forms to STIC-Biotech-Chem Library, Remsen Bldg.



**This Page Blank (uspto)**

**From:** McGarry, Sean  
**Sent:** Wednesday, February 22, 2006 3:03 PM  
**To:** STIC-Biotech/ChemLib  
**Subject:** SEQ SEARCH 10/653,528

Sean McGarry  
AU 1635  
REM 02D19 Office  
REM 2C18 Mailbox  
X20761  
73484

10/653,528.

Please, a length limited search of SEQ ID NOS: 32, 33, 37, and nucleotides 787-815 of SEQ ID NO: 1. (nt  $\leq$  80).

Thank You

RECEIVED  
FEB 23 2006  
/SIC  
(SIC)

\*\*\*\*\*

Searcher: \_\_\_\_\_  
Searcher Phone: \_\_\_\_\_  
Date Searcher Picked up: \_\_\_\_\_  
Date completed: \_\_\_\_\_  
Searcher Prep Time: \_\_\_\_\_  
Online Time: \_\_\_\_\_

\*\*\*\*\*

Type of Search  
NA# \_\_\_\_\_ AA# \_\_\_\_\_  
S/L: \_\_\_\_\_ Oligomer: \_\_\_\_\_  
Encode/Transl: \_\_\_\_\_  
Structure #: \_\_\_\_\_ Text: \_\_\_\_\_  
Inventor: \_\_\_\_\_ Litigation: \_\_\_\_\_

\*\*\*\*\*

Vendors and cost where applicable  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
QUESTEL/ORBIT: \_\_\_\_\_  
LEXIS/NEXIS: \_\_\_\_\_  
SEQUENCE SYSTEM: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (Specify): \_\_\_\_\_

This Page Blank (uspto)

Copyright (c) 1993 - 2006 Bioceleration Ltd.

GenCore version 5.1.7

OM nucleic - nucleic search, using sw model

Run on: March 3, 2006, 07:34:36 ; Search time 2014.56 Seconds

Title: US-10-655-801-3\_COPY\_14\_177

Perfect score: 164

Sequence: tcccgccacctttagag.....taaatcagataggaca 164

Scoring table: IDENTITY\_NUC

Gappp 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 11282798

Minimum DB seq length: 0

Maximum DB seq length: 80

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 100 summaries

Database : Published Applications NA Main:\*

1: /cgn2\_6/podata/1/pbnpna/US07\_PUBCOMB.seq:\*

2: /cgn2\_6/podata/1/pbnpna/US08\_PUBCOMB.seq:\*

3: /cgn2\_6/podata/1/pbnpna/US09\_PUBCOMB.seq:\*

4: /cgn2\_6/podata/1/pbnpna/US09A\_PUBCOMB.seq:\*

5: /cgn2\_6/podata/1/pbnpna/US10A\_PUBCOMB.seq:\*

6: /cgn2\_6/podata/1/pbnpna/US10B\_PUBCOMB.seq:\*

7: /cgn2\_6/podata/1/pbnpna/US10C\_PUBCOMB.seq:\*

8: /cgn2\_6/podata/1/pbnpna/US10D\_PUBCOMB.seq:\*

9: /cgn2\_6/podata/1/pbnpna/US10E\_PUBCOMB.seq:\*

10: /cgn2\_6/podata/1/pbnpna/US11\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	27	16.5	75	US-09-941-79A-15
C 2	25.4	15.5	75	US-09-941-179A-17
C 3	23.6	14.4	65	US-09-908-975-2543
C 4	22	13.4	65	US-09-908-975-3150
C 5	21.8	13.3	78	US-10-318-905-22
C 6	21.8	13.3	78	US-10-46-943-28
C 7	21.4	13.0	65	US-09-908-975-24281
C 8	21.2	12.9	65	US-09-908-975-492
C 9	20.8	12.7	67	US-09-924-033B-4115
C 10	20.5	12.6	65	US-09-908-975-4217
C 11	20.6	12.6	65	US-09-908-975-28339
C 12	20.4	12.4	65	US-09-908-975-30562
C 13	20.4	12.4	77	US-09-866-761-18179
C 14	20.2	12.3	25	US-10-198-263B-2043
C 15	20.2	12.3	50	US-10-113-638-1088
C 16	20.2	12.3	60	US-09-908-975-23152
C 17	20	12.2	60	US-09-908-975-18923
C 18	20	12.2	60	US-09-908-975-18034
C 19	20	12.2	60	US-09-908-975-20526
C 20	19.6	12.0	60	US-09-908-975-6015
C 21	19.6	12.0	70	US-10-662-004-21
C 22	19.6	12.0	78	US-10-794-615-12
C 23	19.4	11.8	43	US-09-899-722-34

C

ALIGNMENTS

Sequence 31431, A  
Sequence 31672, A  
Sequence 391, APP  
Sequence 24884, A

Sequence 78 TTGACTGTCCTTAC 92  
QY ||||| ||||| |||||  
Db 15 GCGACGAGSCCTAC 1

RESULT 3

US-09-908-975-25943

; Sequence 23943, Application US/09908975  
; Publication No. US20030165843A1

; GENERAL INFORMATION:

; APPLICANT: SHOSHAN, Avi  
; APPLICANT: MINTZ, Eli  
; APPLICANT: FAIGLER, Simchon

; TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICE  
FILE REFERENCE: 36688-0005  
CURRENT APPLICATION NUMBER: US/09/908, 975

; CURRENT FILING DATE: 2001-07-20  
; PRIOR APPLICATION NUMBER: US 60/287, 724

; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: US 60/221, 607

; PRIOR FILING DATE: 2000-07-28  
; NUMBER OF SEQ ID NOS: 32337

; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO: 25943  
; LENGTH: 65

; TYPE: DNA  
; ORGANISM: Mus musculus  
; US-09-908-975-25943

; Query Match 14.4%; Score 23.6; DB 3; Length 65;  
Best Local Similarity 61.3%; Pred. No. 4e-02; Mismatches 0; Indels 0; Gaps 0;

; Matches 38; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

; QY 3 TCGGCCACCTTGTAGAAGGACTGGGAGCTAGACGTCGGAGACTCTCAAGGAC 62  
; Db 3 TCGGCCACCTTGTAGAAGGACTGGGAGCTAGACGTCGGAGACTCTCAAGGAC 62

; QY 63 AG 64  
; Db 63 AG 64

; ORGANISM: Mus musculus  
; US-09-908-975-25943

; Query Match 16.5%; Score 27; DB 3; Length 75;

; Best Local Similarity 60.0%; Pred. No. 25; Mismatches 0; Indels 0; Gaps 0;

; Matches 45; Conservative 0; Mismatches 30; Indels 0; Gaps 0;

; QY 18 GAGGGGACTGGCACTCTAGAACAGTCTCAGGACAGGCTCTCTCTGT 77  
; Db 1 GCGGGGAGGGTCACTTAGAACGRCGGCGTCCAGAACGAAAGTTATACATGCT 60

; QY 78 TGACTGTCTTAC 92  
; Db 61 GCGGAGGAGCCCTAC 75

; ORGANISM: Mus musculus  
; US-09-908-975-25943

; Query Match 14.4%; Score 23.6; DB 3; Length 65;  
Best Local Similarity 61.3%; Pred. No. 4e-02; Mismatches 0; Indels 0; Gaps 0;

; Matches 38; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

; QY 3 TCGGCCACCTTGTAGAAGGACTGGGAGCTAGACGTCGGAGACTCTCAAGGAC 62  
; Db 3 TCGGCCACCTTGTAGAAGGACTGGGAGCTAGACGTCGGAGACTCTCAAGGAC 62

; QY 63 AG 64  
; Db 63 AG 64

; ORGANISM: Mus musculus  
; US-09-908-975-25943

; Query Match 15.5%; Score 25.4; DB 3; Length 75;

; Best Local Similarity 58.7%; Pred. No. 94; Mismatches 0; Indels 0; Gaps 0;

; Matches 44; Conservative 0; Mismatches 31; Indels 0; Gaps 0;

; SEQ ID NO: 17  
; LENGTH: 75

; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE: Primer  
; OTHER INFORMATION: Description of Artificial Sequence: Primer  
; US-09-941-179A-17

; Query Match 15.5%; Score 25.4; DB 3; Length 75;

; Best Local Similarity 58.7%; Pred. No. 94; Mismatches 0; Indels 0; Gaps 0;

; Matches 44; Conservative 0; Mismatches 31; Indels 0; Gaps 0;

; SEQ ID NO: 18  
; LENGTH: 65

; TYPE: DNA  
; ORGANISM: Rattus norvegicus  
; US-09-908-975-3750

RESULT 1  
US-09-941-179A-16  
; Sequence 16, Application US/09941179A  
; GENERAL INFORMATION:  
; APPLICANT: Bayer Aktiengesellschaft  
; TITLE OF INVENTION: Acetylcholine receptor subunits  
; FILE REFERENCE: Le A 34 821  
; CURRENT APPLICATION NUMBER: US/09/941,179A  
; CURRENT FILING DATE: 2001-08-27  
; PRIOR APPLICATION NUMBER: DE 100 42 177.6  
; PRIOR FILING DATE: 2000-08-28  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO: 17  
; LENGTH: 75  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Primer  
; US-09-941-179A-17

Query Match 13.4%; Score 22; DB 3; Length 65;  
 Best Local Similarity 59.7%; Pred. No. 1.5e+03; Gaps 0;  
 Matches 37; Conservative 0; Mismatches 25; Indels 0; Gaps 0;

QY 17 TGGGGAGCTGGGAGTTCTAGAACAGTCAGGCTCTCCAGG 76  
 Db 64 TGGGAGGACTCTGAGGTCTCTGAAATTCCAAAGTCTCAGCAGGGTGTCTGCTGG 5

QY 77 TT 78  
 Db 4 GT 3

RESULT 5  
 US-10-318-905-22  
 Sequence 22, Application US/10318905  
 Publication No. US20030152560A1  
 GENERAL INFORMATION:  
 APPLICANT: Selden et al., Richard F.  
 TITLE OF INVENTION: THERAPY FOR ALPHA-GALACTOSIDASE A  
 NUMBER OF SEQUENCES: 28  
 DEFICIENCY  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Fish & Richardson  
 STREET: 225 Franklin Street  
 CITY: Boston  
 STATE: MA  
 COUNTRY: USA  
 ZIP: 02110-2804  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/10/318,905  
 FILING DATE: 12-Dec-2002  
 CLASSIFICATION: <Unknown>  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/928,881  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Fraser, Janis K.  
 REFERENCE/DOCKET NUMBER: 34 819  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 617/542-5070  
 TELEFAX: 617/542-8906  
 INFORMATION FOR SEQ ID NO: 22:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 78 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 SEQUENCE DESCRIPTION: SEQ ID NO: 22:  
 ; US-10-318-905-22

RESULT 6  
 US-10-746-943-28  
 Query Match 13.3%; Score 21.8; DB 6; Length 78;  
 Best Local Similarity 56.2%; Pred. No. 1.8e+03; Gaps 0;  
 Matches 41; Conservative 0; Mismatches 32; Indels 0; Gaps 0;

QY 35 CTGACAGCTCCGAAGTCTCAAGGCACAGGTCTCTGGTTGACTGTCTTACCCC 94  
 Db 5 CTACAGGTCCCGACGTCCTCTGGCTTGGCTCTGCTGCCCTGGCTTC 64

QY 95 GGGGAGGCAAGTSC 107  
 Db 65 AAGAGGGCAGTGC 77

RESULT 7  
 US-09-908-975-24281  
 Sequence 24281, Application US/09908975  
 Publication No. US20030165843A1  
 GENERAL INFORMATION:  
 APPLICANT: SHOSHAN, Avi  
 APPLICANT: WASERMAN, Alon  
 APPLICANT: MINTZ, Eli  
 APPLICANT: MINTZ, Liat  
 APPLICANT: FAIGLER, Shimon  
 APPLICANT: FAIGLER, Shimon  
 TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICING  
 FILE REFERENCE: 36688-0005  
 CURRENT APPLICATION NUMBER: US/09/908,975  
 CURRENT FILING DATE: 2001-07-20  
 PRIOR APPLICATION NUMBER: US 60/287,724  
 PRIOR FILING DATE: 2001-05-02  
 PRIOR APPLICATION NUMBER: US 60/221,607  
 PRIOR FILING DATE: 2000-07-28  
 NUMBER OF SEQ ID NOS: 32337  
 SOFTWARE: PatentIn version 3.0  
 SEQ ID NO 24281  
 LENGTH: 65  
 TYPE: DNA  
 ORGANISM: Mus musculus

RESULT 6  
 US-10-746-943-28  
 Sequence 28, Application US/10746943

US-09-908-975-24281

US-09-294-093B-4915

Query Match	13.0%	Score 21.4;	DB 3;	Length 65;
Best Local Similarity	61.8%	Pred: No. 2.5e+03;		
Matches	34;	0; Mismatches	21;	Indels 0; Gap
Qy	89 TACCCGGGAGGGAGTCAGCCAGCTGCAAGGCCACAGTGAGAACATCTGAG	14		
Db	8 TACAGGTGGAGCTGTGAGCACATGAACTGCCGATTAAGGCCATCGAG	62		

US-09-908-975-492/c  
Sequence 492, Application US/09908975  
Publication No. US20030165843A1  
GENERAL INFORMATION:  
APPLICANT: SHOSHAN, Avi  
APPLICANT: WASSERMAN, Alon  
APPLICANT: MINZI, Eli  
APPLICANT: MINZI, Liat  
APPLICANT: FAIGER, Simchon  
TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICE  
TITLE OF INVENTION: THAT POPULATE A TRANSCRIPTOME

&lt;divUS-09-908-975-4217
!Publication No. US20030165843A1
!US-09-908-975-4217
!Publication 4217, Application US/0908975
!GENERAL INFORMATION:
!APPLICANT: SHOSHAN, Avi
!APPLICANT: WASSERMAN, Alon
!APPLICANT: MINZ, Eli
!APPLICANT: MINZ, Liat
!APPLICANT: FAIGER, Simchon
!TITLE OF INVENTION: OLIGONUCLEOTIDE L
!TITLE OF INVENTION: THAT POPULATE A

CURRENT APPLICATION NUMBER: US/66  
 CURRENT FILING DATE: 2001-07-24  
 PRIOR APPLICATION NUMBER: US 66  
 PRIOR FILING DATE: 2001-05-02  
 PRIOR APPLICATION NUMBER: US 66  
 PRIOR FILING DATE: 2000-07-28  
 NUMBER OF SEQ ID NOS: 32337  
 SOFTWARE: PatentIn version 3.0  
 SEQ ID NO: 492  
 LENGTH: 65  
 TYPE: DNA  
 ORGANISM: Rattus norvegicus  
 US-09-908-975-492

CURRENT APPLICATION NUMBER: US  
 CURRENT FILING DATE: 2001-07-23  
 PRIOR APPLICATION NUMBER: US 6,494,780  
 PRIOR FILING DATE: 2001-05-02  
 PRIOR APPLICATION NUMBER: US 6,494,780  
 PRIOR FILING DATE: 2000-07-28  
 NUMBER OF SEQ ID NOS: 32/37  
 SOFTWARE: PatentIn version 3.0  
 SEQ ID NO: 4217  
 LENGTH: 65  
 TYPE: DNA  
 ORGANISM: *Rattus norvegicus*  
 US-09-908-975-4217

Query	Match	Score	DB	Length
Qy	40	12.6%	20.6	65
Matches	32;	Similarity	62.7%	Best Local
		Pred. No.	4.7e+03;	Score
		Mismatches	19;	DB
		Indels	0;	Length
Db	6	0;	0;	0;
		Gaps		

US-09-294-093B-4915  
; Sequence 4915, Application US/09294093B  
; Patent No. US2001051335A1  
; GENERAL INFORMATION:  
; APPLICANT: Lalgudi, Raghunath, V.  
; APPLICANT: Ito, Laura, Y.  
; APPLICANT: Sherman, Bradley, K.  
TITLE OF INVENTION: POLYNUCLEOTIDES AND

US-09-908-975-28239  
; Sequence 28239, Application US/0908975  
; Publication No. US20030165841A1  
; GENERAL INFORMATION:  
; APPLICANT: SHOSHAN, Avi  
; APPLICANT: WASSERMAN, Alon  
; APPLICANT: MINTZ, Eli  
; APPLICANT: MINTZ, Liat

TITLE OF INVENTION: POLYNUCLEOTIDES AND  
FILE REFERENCE: PL-0009 US  
CURRENT APPLICATION NUMBER: US10/294,093  
CURRENT FILING DATE: 1999-04-16  
PRIOR APPLICATION NUMBER: 60/182,567  
PRIOR FILING DATE: April 21, 1998  
NUMBER OF SEQ ID NOS: 6207  
SOFTWARE: PERL program  
SEQ ID NO: 4915  
LENGTH: 67  
TYPE: DNA  
ORGANISM: Zea mays  
FEATURE:  
NAME/KEY: misc feature  
OTHER INFORMATION: Incyte ID No. US20010  
NAME/KEY: unsure  
LOCATION: 47, 64  
OTHER INFORMATION: a, t, c, g, or other

APPLICANT: MINTZ, Liam  
APPLICANT: FAIGLER, S.  
TITLE OF INVENTION: OIL  
TITLE OF INVENTION: THE  
FILE REFERENCE: 36688-  
CURRENT APPLICATION NUMBER:  
CURRENT FILING DATE:  
PRIOR APPLICATION NUMBER:  
PRIOR FILING DATE: 2003-01-09  
PRIOR APPLICATION NUMBER:  
PRIOR FILING DATE: 2001-01-09  
NUMBER OF SEQ ID NOS:  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 28239  
LENGTH: 65  
TYPE: DNA  
ORGANISM: Mus musculus  
US-09-918-975-28239



US-10-098-263B-20043

Query Match 12.3%; Score 20.2; DB 5; Length 25; Best Local Similarity 88.0%; Pred. No. 5.4e+03; Matches 22; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 76 GTTGACTGCTTACCCGGAG 100  
Db 25 GTCGACCCCTTACCCAGGGAG 1

RESULT 15 US-10-813-638-1068/C

; Sequence 1068, Application US/10813638  
; Publication No. US20040235026A1

; GENERAL INFORMATION:  
; APPLICANT: Shmikets, Richard A.  
; TITLE OF INVENTION: NUCLEIC ACIDS CONTAINING SINGLE NUCLEIC ACID POLYMORPHISMS AND ME

; FILE REFERENCE: 15966-599  
; CURRENT APPLICATION NUMBER: US/10/813,638  
; CURRENT FILING DATE: 2004-03-29  
; PRIORITY APPLICATION NUMBER: 60/163,783  
; PRIORITY FILING DATE: 1999-11-24  
; NUMBER OF SEQ ID NOS: 1468  
; SEQ ID NO: 1068  
; LENGTH: 50

; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: (25)..(0)  
; OTHER INFORMATION: single nucleotide polymorphism  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (25)..(26)  
; OTHER INFORMATION: Nucleotide deleted between bases 25 and 26  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (0)..(0)  
; OTHER INFORMATION: Accession number CG44921277

US-10-813-638-1068

Query Match 12.3%; Score 20.2; DB 8; Length 50; Best Local Similarity 63.3%; Pred. No. 6.2e+03; Matches 31; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

Qy 95 GGGGGGGAGTGCAGGCCAGCTGCAGCCCCACAGTGAAGACATCTGAG 143  
Db 49 GGGGAAGGGGCCCTGAGGCCGGAGCTCCACGATGAGGTGAGGGAGGG 1

RESULT 16 US-09-908-975-23252/C

; Sequence 23252, Application US/09908975  
; Publication No. US20030165843A1

; GENERAL INFORMATION:  
; APPLICANT: SHOSHAN, Avi  
; APPLICANT: WASHERMAN, Avi  
; APPLICANT: WASHERMAN, Alon  
; APPLICANT: MINZ, Eli  
; APPLICANT: FAIGLER, Simchon  
; APPLICANT: MINZ, Liat

; TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPICE FILE REFERENCE: 36688-0005  
; CURRENT APPLICATION NUMBER: US/09/908,975  
; CURRENT FILING DATE: 2001-07-20  
; PRIORITY APPLICATION NUMBER: US 60/287,724  
; PRIORITY FILING DATE: 2001-05-02  
; PRIORITY APPLICATION NUMBER: US 60/221,607  
; PRIORITY FILING DATE: 2000-07-28

US-09-908-975-23252

Query Match 12.3%; Score 20.2; DB 3; Length 60; Best Local Similarity 61.5%; Pred. No. 7.5e+03; Matches 32; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

Qy 5 GGCACCTTGTATGAGGGACTGCGCACTTCTAGACAGTCGGAGTTCTCA 56  
Db 60 GGCCTCCCTTGTAGGGACTGCGCACTTCTAGACAGTCGGAGTTCTCA 9

RESULT 17 US-09-908-975-18023/C

; Sequence 18023, Application US/09908975  
; Publication No. US20030165843A1

; GENERAL INFORMATION:  
; APPLICANT: SHOSHAN, Avi  
; APPLICANT: WASHERMAN, Alon  
; APPLICANT: MINZ, Eli  
; APPLICANT: MINZ, Liat  
; APPLICANT: FAIGLER, Simchon  
; APPLICANT: MINZ, Liat

; TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPICE FILE REFERENCE: 36688-0005  
; CURRENT APPLICATION NUMBER: US/09/908,975  
; CURRENT FILING DATE: 2001-07-20  
; PRIORITY APPLICATION NUMBER: US 60/287,724  
; PRIORITY FILING DATE: 2001-05-02  
; PRIORITY APPLICATION NUMBER: US 60/221,607  
; PRIORITY FILING DATE: 2000-07-28

US-09-908-975-18023

Query Match 12.3%; Score 20.2; DB 3; Length 60; Best Local Similarity 68.3%; Pred. No. 6.5e+03; Matches 28; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

Qy 99 AGGAGTGCAGCCAGCTGCAAGCCACAGTGAAGACATC 139  
Db 42 AGCCAGGGAAACATAGCTGCAAGCACAGAGGCAAGTC 2

RESULT 18 US-09-908-975-18034/C

; Sequence 18034, Application US/09908975  
; Publication No. US20030165843A1

; GENERAL INFORMATION:  
; APPLICANT: SHOSHAN, Avi  
; APPLICANT: WASHERMAN, Avi  
; APPLICANT: WASHERMAN, Alon  
; APPLICANT: MINZ, Eli  
; APPLICANT: MINZ, Liat  
; APPLICANT: FAIGLER, Simchon  
; APPLICANT: MINZ, Liat

; TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPICE FILE REFERENCE: 36688-0005  
; CURRENT APPLICATION NUMBER: US/09/908,975  
; CURRENT FILING DATE: 2001-07-20  
; PRIORITY APPLICATION NUMBER: US 60/287,724  
; PRIORITY FILING DATE: 2001-05-02  
; PRIORITY APPLICATION NUMBER: US 60/221,607  
; PRIORITY FILING DATE: 2000-07-28

NUMBER OF SEQ ID NOS: 32337

SOFTWARE: PatInvent version 3.0  
SEQ ID NO: 23252  
LENGTH: 60

US-09-908-975-18034

Query Match 12.3%; Score 20.2; DB 3; Length 60; Best Local Similarity 68.3%; Pred. No. 6.5e+03; Matches 28; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

Qy 99 AGGAGTGCAGCCAGCTGCAAGCCACAGTGAAGACATC 139  
Db 42 AGCCAGGGAAACATAGCTGCAAGCACAGAGGCAAGTC 2

RESULT 19 US-09-908-975-18034/C

; Sequence 18034, Application US/09908975  
; Publication No. US20030165843A1

; GENERAL INFORMATION:  
; APPLICANT: SHOSHAN, Avi  
; APPLICANT: WASHERMAN, Avi  
; APPLICANT: MINZ, Eli  
; APPLICANT: MINZ, Liat  
; APPLICANT: FAIGLER, Simchon  
; APPLICANT: MINZ, Liat

; TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPICE FILE REFERENCE: 36688-0005  
; CURRENT APPLICATION NUMBER: US/09/908,975  
; CURRENT FILING DATE: 2001-07-20  
; PRIORITY APPLICATION NUMBER: US 60/287,724  
; PRIORITY FILING DATE: 2001-05-02  
; PRIORITY APPLICATION NUMBER: US 60/221,607  
; PRIORITY FILING DATE: 2000-07-28

NUMBER OF SEQ ID NOS: 32337

; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 18034  
; LENGTH: 60  
; TYPE: DNA  
; ORGANISM: Homo sapiens

US-09-908-975-18034  
Query Match 12.2%; Score 20; DB 3; Length 60;  
Best Local Similarity 82.1%; Pred. No. 7.6e+03;  
Matches 23; Conservative 0; Mismatches 5; Indels 0; Gaps 0;  
Organism: Homo sapiens

QV 111 CAGCTGCAAGCCACAGTGAGAACAT 138  
Db 33 CATCTACAAACGCCACAGTGAGAATT 6

RESULT 19

US-09-908-975-20526  
Sequence 20526, Application US/09908975  
Publication No. US20030165843A1

GENERAL INFORMATION:

APPLICANT: SHOSHAN, Avi

APPLICANT: WASSERMAN, Alon

APPLICANT: MINTZ, Eli

APPLICANT: MINTZ, Liat

APPLICANT: FAIGLER, Simchon

TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICE

FILE REFERENCE: 36688-0005

CURRENT FILING DATE: 2001-07-20

PRIOR APPLICATION NUMBER: US 60/287,724

PRIOR FILING DATE: 2001-05-02

PRIOR APPLICATION NUMBER: US 60/221,607

PRIOR FILING DATE: 2000-07-28

NUMBER OF SEQ ID NOS: 32337

SOFTWARE: PatentIn version 3.0

SEQ ID NO 20526

TYPE: DNA

LENGTH: 60

ORGANISM: Homo sapiens

RESULT 21

US-10-862-084-21/c  
Sequence 21, Application US/10862084  
Publication No. US20040224915A1

GENERAL INFORMATION:

APPLICANT: Janjic, Nebojsa

APPLICANT: Gold, Larry

TITLE OF INVENTION: High Affinity Vascular Endothelial Growth Factor (VEGF)

FILE REFERENCE: NE88

CURRENT APPLICATION NUMBER: US10/862,084

PRIOR APPLICATION NUMBER: US/09/364,540

PRIOR FILING DATE: 1999-07-29

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 21

LENGTH: 70

TYPE: RNA

ORGANISM: Artificial Sequence

FEATURE: ;

NAME/KEY: modified\_base

LOCATION: (1)..(70)

OTHER INFORMATION: All pyrimidines are 2'F.

FEATURE: ;

OTHER INFORMATION: Description of Artificial Sequence: Synthetic

US-10-862-084-21

RESULT 22

US-10-794-615-12  
Sequence 12, Application US/10794615  
Publication No. US20040261148A1

GENERAL INFORMATION:

APPLICANT: Dickey, Lynn

APPLICANT: Gasdaska, John

APPLICANT: Cox, Kevin

TITLE OF INVENTION: Expression of Biologically Active

FILE REFERENCE: 40989/267934

CURRENT APPLICATION NUMBER: US10/794,615

CURRENT FILING DATE: 2004-03-05

PRIOR APPLICATION NUMBER: US/10/675,011

PRIOR FILING DATE: 2003-09-30

PRIOR APPLICATION NUMBER: US 09/915,873

PRIOR FILING DATE: 2001-07-26

PRIOR APPLICATION NUMBER: US 60/293,330

PRIOR FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: US 60/221,705

US-09-908-975-6045

Query Match 12.0%; Score 19.6; DB 3; Length 60;

Best Local Similarity 84.6%; Pred. No. 1.1e+04;

Matches 22; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Organism: Homo sapiens

QY 61 ACAGGTCTCTCTGGTTGACTGTC 86

Db 8 ACAGGCCCTCTCTGGTGTGACTGCC 33

RESULT 20

US-09-908-975-6045

Sequence 6045, Application US/09908975

Publication No. US20030165843A1

GENERAL INFORMATION:

APPLICANT: SHOSHAN, Avi

APPLICANT: WASSERMAN, Alon

APPLICANT: MINTZ, Eli

APPLICANT: MINTZ, Liat

APPLICANT: FAIGLER, Simchon

TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICE

FILE REFERENCE: 36688-0005

CURRENT APPLICATION NUMBER: US/09/908,975

CURRENT FILING DATE: 2001-07-20

PRIOR APPLICATION NUMBER: US 60/287,724

PRIOR FILING DATE: 2001-05-02

PRIOR APPLICATION NUMBER: US 60/221,607

PRIOR FILING DATE: 2000-07-28

NUMBER OF SEQ ID NOS: 32337

SOFTWARE: PatentIn version 3.0

US-09-908-975-20526

TYPE: DNA

LENGTH: 60

ORGANISM: Homo sapiens

US-09-908-975-6045

Query Match 12.2%; Score 20; DB 3; Length 60;

Best Local Similarity 82.1%; Pred. No. 7.6e+03;

Matches 23; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Organism: Homo sapiens

QY 111 CAGCTGCAAGCCACAGTGAGAACAT 138

Db 33 CATCTACAAACGCCACAGTGAGAATT 6

RESULT 21

US-10-862-084-21/c

Sequence 21, Application US/10862084

Publication No. US20040224915A1

GENERAL INFORMATION:

APPLICANT: Janjic, Nebojsa

APPLICANT: Gold, Larry

TITLE OF INVENTION: High Affinity Vascular Endothelial Growth Factor (VEGF)

FILE REFERENCE: NE88

CURRENT APPLICATION NUMBER: US10/862,084

PRIOR APPLICATION NUMBER: US/09/364,540

PRIOR FILING DATE: 1999-07-29

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 21

LENGTH: 70

TYPE: RNA

ORGANISM: Artificial Sequence

FEATURE: ;

NAME/KEY: modified\_base

LOCATION: (1)..(70)

OTHER INFORMATION: All pyrimidines are 2'F.

FEATURE: ;

OTHER INFORMATION: Description of Artificial Sequence: Synthetic

US-10-862-084-21

Query Match 12.0%; Score 19.6; DB 3; Length 70;

Best Local Similarity 62.0%; Pred. No. 1.1e+04;

Matches 31; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

Organism: Homo sapiens

QY 18 GAGGGAGCTGGCAGGTCTAGCAGTCGGAGTTCTAGGCCACGGTC 67

Db 64 GAGTCGTCGAGCAGGCGAGCAATTAGGAGTCCTAGGAGCACCTC 15

RESULT 22

US-10-794-615-12

Sequence 12, Application US/10794615

Publication No. US20040261148A1

GENERAL INFORMATION:

APPLICANT: Dickey, Lynn

APPLICANT: Gasdaska, John

APPLICANT: Cox, Kevin

TITLE OF INVENTION: Expression of Biologically Active

FILE REFERENCE: 40989/267934

CURRENT APPLICATION NUMBER: US10/794,615

CURRENT FILING DATE: 2004-03-05

PRIOR APPLICATION NUMBER: US/10/675,011

PRIOR FILING DATE: 2003-09-30

PRIOR APPLICATION NUMBER: US 09/915,873

PRIOR FILING DATE: 2001-07-26

PRIOR APPLICATION NUMBER: US 60/293,330

PRIOR FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: US 60/221,705

PRIOR FILING DATE: 2000-07-28

SOFTWARE: PatentIn version 3.0

; PRIOR FILING DATE: 2000-07-31  
 ; NUMBER OF SEQ ID NOS: 16  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 12  
 ; LENGTH: 78  
 ; TYPE: DNA  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (1)..(78)  
 ; OTHER INFORMATION: Duckweed codon optimized sequence encoding hoh  
 ; OTHER INFORMATION: signal peptide  
 ; OTHER INFORMATION: Duckweed codon optimized hoh signal peptide  
 ; US-10-794-615-12

Query Match 12.0%; Score 19.6; DB 8; Length 78;  
 Best Local Similarity 56.1%; Fred. No. 1.1e+04; Mismatches 29; Indels 0; Gaps 0;  
 Matches 37; Conservative 0; Prior Application Number: 60/088021  
 ; Sequence 34, Application US/09989722  
 ; Patent No. US20030072067A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashtonazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Borstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Kjavian, Ivar J.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; FILE REFERENCE: P2710P1C63  
 ; CURRENT APPLICATION NUMBER: US/09/989,722  
 ; CURRENT FILING DATE: 2001-11-19  
 ; PRIOR APPLICATION NUMBER: 60/049787  
 ; PRIOR FILING DATE: 1997-06-16  
 ; PRIOR APPLICATION NUMBER: 60/062250  
 ; PRIOR FILING DATE: 1997-10-17  
 ; PRIOR APPLICATION NUMBER: 60/065186  
 ; PRIOR FILING DATE: 1997-11-12  
 ; PRIOR APPLICATION NUMBER: 60/065311  
 ; PRIOR FILING DATE: 1997-11-13  
 ; PRIOR APPLICATION NUMBER: 60/066770  
 ; PRIOR FILING DATE: 1997-11-24

RESULT 23  
 US-09-989-722-34  
 ; Sequence 34, Application US/09989722  
 ; Patent No. US20030072067A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashtonazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Borstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Kjavian, Ivar J.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; FILE REFERENCE: P2710P1C63  
 ; CURRENT APPLICATION NUMBER: US/09/989,722  
 ; CURRENT FILING DATE: 2001-11-19  
 ; PRIOR APPLICATION NUMBER: 60/049787  
 ; PRIOR FILING DATE: 1997-06-16  
 ; PRIOR APPLICATION NUMBER: 60/062250  
 ; PRIOR FILING DATE: 1997-10-17  
 ; PRIOR APPLICATION NUMBER: 60/065186  
 ; PRIOR FILING DATE: 1997-11-12  
 ; PRIOR APPLICATION NUMBER: 60/065311  
 ; PRIOR FILING DATE: 1997-11-13  
 ; PRIOR APPLICATION NUMBER: 60/066770  
 ; PRIOR FILING DATE: 1997-11-24

; PRIOR APPLICATION NUMBER: 60/075945  
 ; PRIOR FILING DATE: 1998-02-25  
 ; PRIOR APPLICATION NUMBER: 60/078910  
 ; PRIOR FILING DATE: 1998-03-20  
 ; PRIOR APPLICATION NUMBER: 60/083322  
 ; PRIOR FILING DATE: 1998-04-28  
 ; PRIOR APPLICATION NUMBER: 60/084600  
 ; PRIOR FILING DATE: 1998-05-07  
 ; PRIOR APPLICATION NUMBER: 60/087105  
 ; PRIOR FILING DATE: 1998-05-28  
 ; PRIOR APPLICATION NUMBER: 60/087607  
 ; PRIOR FILING DATE: 1998-06-02  
 ; PRIOR APPLICATION NUMBER: 60/087609  
 ; PRIOR FILING DATE: 1998-06-02  
 ; PRIOR APPLICATION NUMBER: 60/087759  
 ; PRIOR FILING DATE: 1998-06-02  
 ; PRIOR APPLICATION NUMBER: 60/087827  
 ; PRIOR FILING DATE: 1998-06-03  
 ; PRIOR APPLICATION NUMBER: 60/088028  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088026  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088029  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088030  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088033  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088326  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088167  
 ; PRIOR FILING DATE: 1998-06-05  
 ; PRIOR APPLICATION NUMBER: 60/088202  
 ; PRIOR FILING DATE: 1998-06-05  
 ; PRIOR APPLICATION NUMBER: 60/088212  
 ; PRIOR FILING DATE: 1998-06-05  
 ; PRIOR APPLICATION NUMBER: 60/088217  
 ; PRIOR FILING DATE: 1998-06-05  
 ; PRIOR APPLICATION NUMBER: 60/088655  
 ; PRIOR FILING DATE: 1998-06-09  
 ; PRIOR APPLICATION NUMBER: 60/088734  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088738  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088742  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088810  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088824  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088826  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088858  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/088851  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/088876  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/089105  
 ; PRIOR FILING DATE: 1998-06-12  
 ; PRIOR APPLICATION NUMBER: 60/089410  
 ; PRIOR FILING DATE: 1998-06-16  
 ; PRIOR APPLICATION NUMBER: 60/089512  
 ; PRIOR FILING DATE: 1998-06-16  
 ; PRIOR APPLICATION NUMBER: 60/089514  
 ; PRIOR FILING DATE: 1998-06-16  
 ; PRIOR APPLICATION NUMBER: 60/089532  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089538



PRIOR APPLICATION NUMBER: 60/088533  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089801  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089907  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089908  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089947  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089948  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/090080  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/090246  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090252  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090254  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/090349  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090355  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090431  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090435  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090444  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090540  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090542  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090557  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090676  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/09072  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090947  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090969  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/091360  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091478  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091544  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091549  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091626  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091633  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091978

```

; PRIOR FILING DATE: 1998-07-07;
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 11.8%; Score 19.4; DB 3; Length 43;
Best Local Similarity 70.3%; Pred. No. 1.2e+04; Mismatches 11; Indels 0; Gaps 0;
Matches 26; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Qy 79 TGACTGTCCTTACCCGGGAGGCACTGCGCCAGCT 115
Db 1 TGACTGCACTACCCGGTGGCAAGCTGTGAGGCCAGCT 37

RESULT 25
US-09-989-279-34
; Sequence 34, Application US/09989279
; Patent No. US20020072496A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Boastein, David
; APPLICANT: Daenoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gorrissen, Mary E.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Klijavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Peori, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanae, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P27301C56
; CURRENT APPLICATION NUMBER: US/09/989-279
CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02

; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088336
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089340
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908

```

Best Local Similarity 70.3%; Pred. No. 1.2e+04; Matches 26; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Qy 79 TGACTGCTTACCCGGGAGGAGTGAGCCAGCT 115  
 Db 1 TGACTGACTTACCCGGT3CACTGTGAGCAGCT 37

Search completed: March 3, 2006, 08:48:44  
 Job time : 2017.56 secs

```

; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090535
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090540
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092282
; PRIOR FILING DATE: 1998-07-09

```

Query Match 11.8%; Score 19.4; DB 3; Length 43;

Copyright (c) 1993 - 2006 Biocceleration Ltd.  
GenCore version 5.1.7

OM nucleic - nucleic search, using sw model  
Run on: March 3, 2006, 07:35:12 ; Search time 891.576 Seconds

US-10-655-801-3\_COPY\_14\_177  
Perfect score: 164  
Sequence: 1 tctcggccacctttagtag.....tcaaattccagataagttgaca 164

Scoring table: IDENTITY\_NUC  
Gapext 1.0 , Gapext 1.0  
Searched: 7218535 seqs, 1096242582 residues

Total number of hits satisfying chosen parameters: 11069656

Minimum DB seq length: 0  
Maximum DB seq length: 80

Post-processing: Minimum Match 0%  
listing first 100 summaries

Database : Published Applications NA New:  
1: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq:\*

2: /cgn2\_6/ptodata/1/pubpna/US06\_NEW\_PUB.seq:\*

3: /cgn2\_6/ptodata/1/pubpna/US07\_NEW\_PUB.seq:\*

4: /cgn2\_6/ptodata/1/pubpna/USCT\_NEW\_PUB.seq:\*

5: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq:\*

6: /cgn2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq:\*

7: /cgn2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq:\*

8: /cgn2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq:\*

9: /cgn2\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq:\*

10: /cgn2\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq:\*

11: /cgn2\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq:\*

12: /cgn2\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq:\*

13: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	24	14.6	24	8 US-10-310-914A-275374	Sequence 275374,
C 2	21.6	13.2	50	12 US-11-175-859-56468	Sequence 56468, A
C 3	21.2	12.9	67	8 US-10-310-914A-19327	Sequence 19327, A
C 4	20.2	12.3	50	12 US-11-175-859-26422	Sequence 26422, A
C 5	20.2	12.3	50	12 US-11-175-859-75985	Sequence 75985, A
C 6	20.2	12.3	50	12 US-11-175-859-105901	Sequence 105901,
C 7	20	12.2	79	8 US-10-310-914A-15202	Sequence 15202, A
C 8	19.6	12.0	50	12 US-11-175-859-26285	Sequence 26285, A
C 9	19.4	11.8	50	12 US-11-175-859-44940	Sequence 44940, A
C 10	19.4	11.8	64	8 US-10-930-294-3704	Sequence 3704, A
C 11	19.2	11.7	50	12 US-11-175-859-29057	Sequence 29057, A
C 12	19.2	11.7	62	8 US-10-310-914A-15202	Sequence 15202, A
C 13	19	11.6	19	10 US-11-101-244-338671	Sequence 338671,
C 14	11.6	19	10	US-11-101-244-338677	Sequence 338677,
C 15	11.6	19	10	US-11-101-244-338688	Sequence 338688,
C 16	11.6	19	10	US-11-101-244-338691	Sequence 338691,
C 17	11.6	19	10	US-11-101-244-338724	Sequence 338724,
C 18	11.6	19	10	US-11-101-244-338750	Sequence 338750,
C 19	11.6	19	10	US-11-101-244-338771	Sequence 338771,
C 20	11.6	19	10	US-11-101-244-338777	Sequence 338777,
C 21	19	11.6	19	10 US-11-101-244-338788	Sequence 338788,
C 22	19	11.6	19	10 US-11-101-244-338791	Sequence 338791,
C 23	19	11.6	19	10 US-11-101-244-338824	Sequence 338824,
C 24	19	11.6	19	10 US-11-101-244-338849	Sequence 338849,
C 25	19	11.6	19	11 US-11-083-784-338671	Sequence 338671,
C 26	19	11.6	19	11 US-11-083-784-338677	Sequence 338677,
C 27	19	11.6	19	11 US-11-083-784-338788	Sequence 338788,
C 28	19	11.6	19	11 US-11-083-784-338791	Sequence 338791,
C 29	19	11.6	19	11 US-11-083-784-338724	Sequence 338724,
C 30	19	11.6	19	11 US-11-083-784-338750	Sequence 338750,
C 31	19	11.6	19	11 US-11-083-784-338771	Sequence 338771,
C 32	19	11.6	19	11 US-11-083-784-338777	Sequence 338777,
C 33	19	11.6	19	11 US-11-083-784-338788	Sequence 338788,
C 34	19	11.6	19	11 US-11-083-784-338791	Sequence 338791,
C 35	19	11.6	19	11 US-11-083-784-338724	Sequence 338724,
C 36	19	11.6	19	11 US-11-083-784-338849	Sequence 338849,
C 37	19	11.6	19	11 US-11-083-784-338750	Sequence 338750,
C 38	19	11.6	19	11 US-11-083-784-338771	Sequence 338771,
C 39	18.8	11.5	50	12 US-11-175-859-53084	Sequence 53084, A
C 40	18.8	11.5	61	8 US-10-310-914A-3071	Sequence 3071, A
C 41	18.4	11.3	50	12 US-11-136-527-212625	Sequence 212625,
C 42	18.6	11.3	50	12 US-11-175-859-61020	Sequence 61020, A
C 43	18.6	11.3	63	8 US-10-310-914A-10146	Sequence 10146, A
C 44	18.6	11.3	64	8 US-10-93-594-5003	Sequence 5003, A
C 45	18.4	11.2	50	12 US-11-175-859-26388	Sequence 26388, A
C 46	18.4	11.2	50	12 US-11-175-859-681613	Sequence 681613, A
C 47	18.4	11.2	57	8 US-10-453-372-273	Sequence 273, A
C 48	18.4	11.2	57	8 US-10-519-390-46	Sequence 451, A
C 49	18.4	11.2	64	8 US-10-310-914A-5651	Sequence 5651, A
C 50	18.4	11.2	65	12 US-11-225-837-78	Sequence 78, A
C 51	18.4	11.2	65	12 US-11-176-525-37	Sequence 37, A
C 52	18.4	11.2	65	12 US-11-176-525-81	Sequence 81, A
C 53	18.4	11.2	69	8 US-10-310-914A-1984	Sequence 1984, A
C 54	18.4	11.2	25	9 US-11-121-294-509-297	Sequence 238297,
C 55	18.2	11.1	25	9 US-11-229-062-12	Sequence 12, A
C 56	18.2	11.1	45	9 US-11-229-073-12	Sequence 12, A
C 57	18.2	11.1	45	9 US-11-229-306-12	Sequence 12, A
C 58	18.2	11.1	50	12 US-11-175-859-75982	Sequence 75982, A
C 59	18.2	11.1	50	12 US-11-175-859-75982	Sequence 16433, A
C 60	18.2	11.1	65	8 US-10-310-914A-16333	Sequence 19818, A
C 61	18.2	11.1	67	8 US-10-310-914A-19818	Sequence 19200, A
C 62	18.2	11.1	71	8 US-10-310-914A-20229	Sequence 97230, A
C 63	18.2	11.1	75	8 US-11-175-859-6805	Sequence 7903, A
C 64	18.1	11.0	50	12 US-11-175-859-97330	Sequence 833130, A
C 65	18.1	11.0	64	8 US-10-93-294-289	Sequence 3489, A
C 66	18.1	11.0	71	8 US-10-310-914A-7003	Sequence 68605, A
C 67	17.8	10.9	24	8 US-10-310-914A-855130	Sequence 97466, A
C 68	17.8	10.9	24	8 US-11-121-849-57179	Sequence 81719, A
C 69	17.8	10.9	50	12 US-11-175-859-87179	Sequence 108053,
C 70	17.8	10.9	50	12 US-11-175-859-87179	Sequence 3489, A
C 71	17.8	10.9	50	12 US-11-175-859-100053	Sequence 3489, A
C 72	17.8	10.9	50	12 US-11-175-859-100053	Sequence 3489, A
C 73	17.8	10.9	64	8 US-10-93-294-3435	Sequence 3489, A
C 74	17.8	10.9	64	8 US-11-170-268-32	Sequence 32, A
C 75	17.8	10.9	64	12 US-11-170-668-33	Sequence 33, A
C 76	17.8	10.9	68	8 US-10-110-914A-2079	Sequence 20379, A
C 77	17.8	10.9	24	8 US-10-310-914A-103838	Sequence 103838,
C 78	17.6	10.7	24	8 US-10-310-914A-1208551	Sequence 1208551,
C 79	17.6	10.7	24	8 US-11-136-527-212627	Sequence 212627,
C 80	17.6	10.7	25	12 US-11-136-527-212627	Sequence 212627,
C 81	17.6	10.7	50	12 US-11-175-859-23338	Sequence 23338, A
C 82	17.6	10.7	50	12 US-11-175-859-33338	Sequence 33338, A
C 83	17.6	10.7	50	12 US-11-175-859-33304	Sequence 53304, A
C 84	17.6	10.7	50	12 US-11-175-859-5779	Sequence 5779, A
C 85	17.6	10.7	50	12 US-11-175-859-59703	Sequence 59703, A
C 86	17.6	10.7	50	12 US-11-175-859-71017	Sequence 71017, A
C 87	17.6	10.7	58	12 US-11-193-522-7	Sequence 7, A
C 88	17.6	10.7	63	8 US-10-310-914A-19734	Sequence 19734, A
C 89	17.6	10.7	63	8 US-10-310-914A-20225	Sequence 20325, A
C 90	17.6	10.7	63	8 US-10-310-914A-20225	Sequence 8, A
C 91	17.6	10.7	64	12 US-11-193-512-8	Sequence 19357, A
C 92	17.6	10.7	78	8 US-10-310-914A-13357	Sequence 49, A
C 93	17.6	10.6	10.6	10 US-11-193-526-49	Sequence 49, A

RESULT 1  
 US-10-310-914A-275374/C  
 ; Sequence 275374, Application US/10310914A  
 ; Publication No. US20060003322A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Bentwich, Isaac  
 ; APPLICANT: Shiler, Kvuzat  
 ; APPLICANT: Shiler, Kvuzat  
 ; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and  
 ; TITLE OF INVENTION: uses thereof  
 ; TITLE OF INVENTION: uses thereof  
 ; FILE REFERENCE: 06087\_0200.CPUS01  
 ; CURRENT APPLICATION NUMBER: US/10/310,914A  
 ; CURRENT FILING DATE: 2002-12-06  
 ; NUMBER OF SEQ ID NOS: 1388402  
 ; SEQ ID NO: 275374  
 ; LENGTH: 24  
 ; TYPE: RNA  
 ; ORGANISM: Human  
 US-10-310-914A-275374

RESULT 2  
 US-11-175-859-5648/C  
 ; Sequence 56468, Application US/11175859  
 ; Publication No. US20060024715A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Affymetrix, Inc.  
 ; APPLICANT: Affymetrix, Inc.  
 ; APPLICANT: Liu, Guoying et al.  
 ; TITLE OF INVENTION: Method of Analysis of Human Polymorphism  
 ; FILE REFERENCE: 3690.1  
 ; CURRENT APPLICATION NUMBER: US/11/175,859  
 ; CURRENT FILING DATE: 2005-07-05  
 ; PRIOR APPLICATION NUMBER: US 60/585,352  
 ; PRIOR FILING DATE: 2004-07-02  
 ; NUMBER OF SEQ ID NOS: 116251  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO: 26422  
 ; LENGTH: 50  
 ; TYPE: DNA  
 ; ORGANISM: homo sapien  
 US-11-175-859-26422

Query Match 14.6%; Score 24; DB 8; Length 24;  
 Best Local Similarity 100.0%; Pred. No. 2.9e+02; Mismatches 0; Indels 0; Gaps 0;

QY 107 CAGCAGCTGCAASGCCCACTAGTG 130  
 Db 24 CAGCCAGCTGCAAGCCCCACAGTG 1

RESULT 3  
 US-10-310-914A-275374  
 ; Sequence 275374, Application US/10310914A  
 ; Publication No. US20060003322A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Bentwich, Isaac  
 ; APPLICANT: Shiler, Kvuzat  
 ; APPLICANT: Shiler, Kvuzat  
 ; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and  
 ; TITLE OF INVENTION: uses thereof  
 ; FILE REFERENCE: 06087\_0200.CPUS01  
 ; CURRENT APPLICATION NUMBER: US/10/310,914A  
 ; CURRENT FILING DATE: 2002-12-06  
 ; NUMBER OF SEQ ID NOS: 1388402  
 ; SEQ ID NO: 275374  
 ; LENGTH: 24  
 ; TYPE: RNA  
 ; ORGANISM: Human  
 US-10-310-914A-275374

RESULT 4  
 US-11-175-859-26422  
 ; Sequence 26422, Application US/11175859  
 ; Publication No. US20060024715A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Affymetrix, Inc.  
 ; APPLICANT: Liu, Guoying et al.  
 ; TITLE OF INVENTION: Method of Analysis of Human Polymorphism  
 ; FILE REFERENCE: 3690.1  
 ; CURRENT APPLICATION NUMBER: US/11/175,859  
 ; CURRENT FILING DATE: 2005-07-05  
 ; PRIOR APPLICATION NUMBER: US 60/585,352  
 ; PRIOR FILING DATE: 2004-07-02  
 ; NUMBER OF SEQ ID NOS: 116251  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO: 26422  
 ; LENGTH: 50  
 ; TYPE: DNA  
 ; ORGANISM: homo sapien  
 US-11-175-859-26422

Query Match 12.3%; Score 20.2; DB 12; Length 50;  
 Best Local Similarity 63.3%; Pred. No. 5.5e+03; Mismatches 18; Indels 0; Gaps 0;

QY 95 GGGAGGAGGTGCAAGCCACGTGCAAGCCCCACAGTGAGAAGCTCTGAG 143  
 Db 1 GTGGAGGATTGGAGGCCAGTGAGYCGAGTGTGAAATTCTGTTAG 49

RESULT 5  
 US-11-175-859-75985  
 ; Sequence 75985, Application US/11175859  
 ; Publication No. US20060024715A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Affymetrix, Inc.  
 ; APPLICANT: Liu, Guoying et al.  
 ; TITLE OF INVENTION: Method of Analysis of Human Polymorphism  
 ; FILE REFERENCE: 3690.1  
 ; CURRENT APPLICATION NUMBER: US/11/175,859  
 ; CURRENT FILING DATE: 2005-07-05  
 ; PRIOR APPLICATION NUMBER: US 60/585,352  
 ; PRIOR FILING DATE: 2004-07-02  
 ; NUMBER OF SEQ ID NOS: 116251  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO: 75985

RESULT 6  
 US-11-175-859-75044  
 ; Sequence 75044, A  
 ; Sequence 10012, A  
 ; Sequence 11931, A  
 ; Sequence 17548, A  
 ; Sequence 34086, A  
 ; Sequence 46153, A  
 ; Sequence 63471, A  
 ; Sequence 75044, A  
 ; Sequence 75044, A  
 ; Sequence 19327, Application US/10310914A  
 ; Publication No. US20060003322A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Bentwich, Isaac  
 ; APPLICANT: Bentwich, Isaac  
 ; APPLICANT: Shiler, Kvuzat  
 ; APPLICANT: Shiler, Kvuzat  
 ; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and  
 ; TITLE OF INVENTION: uses thereof  
 ; FILE REFERENCE: 06087\_0200.CPUS01  
 ; CURRENT APPLICATION NUMBER: US/10/310,914A  
 ; CURRENT FILING DATE: 2002-12-06  
 ; NUMBER OF SEQ ID NOS: 1388402  
 ; SOFTWARE: PatentIn version 3.3  
 ; SEQ ID NO: 19327  
 ; LENGTH: 67  
 ; TYPE: RNA  
 ; ORGANISM: Human  
 US-10-310-914A-19327

RESULT 7  
 US-11-175-859-56468  
 ; Sequence 56468, Application US/11175859  
 ; Publication No. US20060024715A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Affymetrix, Inc.  
 ; APPLICANT: Liu, Guoying et al.  
 ; TITLE OF INVENTION: Method of Analysis of Human Polymorphism  
 ; FILE REFERENCE: 3690.1  
 ; CURRENT APPLICATION NUMBER: US/11/175,859  
 ; CURRENT FILING DATE: 2005-07-05  
 ; PRIOR APPLICATION NUMBER: US 60/585,352  
 ; PRIOR FILING DATE: 2004-07-02  
 ; NUMBER OF SEQ ID NOS: 116251  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO: 26422  
 ; LENGTH: 50  
 ; TYPE: DNA  
 ; ORGANISM: homo sapien  
 US-11-175-859-56468

Query Match 13.2%; Score 21.6; DB 12; Length 50;  
 Best Local Similarity 68.2%; Pred. No. 2e+03; Mismatches 14; Indels 0; Gaps 0;

QY 50 GTTCTCAAGGACAGGTCTCTCCCTGGTTGACTGTCTTACCC 93  
 Db 49 GTTACGAGGATCAGGTCTATACRCTTGTCCCTGTTACCC 6

RESULT 8  
 US-10-310-914A-19327

; LENGTH: 50  
; TYPE: DNA  
; ORGANISM: homo sapien  
; US-11-175-859-75985

Query Match 12.3%; Score 20.2; DB 12; Length 50;  
 Best Local Similarity 65.1%; Pred. No. 5.5e+03; DB Matches 28; Conservative 1; Mismatches 14; Indels 0; Gaps 0;  
 Qy 56 AAGCCACAGGTCTTCCTCGGTGACTGCTTACCGGGG 98  
 Db 8 AAGTGTCACTACATACAGGGTCTCCCTCAGGCCAGGG 50

RESULT 6

US-11-175-859-105901/c  
 Sequence 105901, Application US/11175859  
 Publication No. US20060024715A1

GENERAL INFORMATION:  
 APPLICANT: Affymetrix, Inc.  
 APPLICANT: Liu, Guoying et al.

TITLE OF INVENTION: Method of Analysis of Human Polymorphism  
 FILE REFERENCE: 3690.1

CURRENT APPLICATION NUMBER: US/11/175, 859  
 CURRENT FILING DATE: 2005-07-05  
 PRIORITY FILING DATE: 2004-07-02  
 NUMBER OF SEQ ID NOS: 116251  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO 105901

LENGTH: 50

TYPE: DNA  
 ORGANISM: homo sapien

US-11-175-859-105901

Query Match 12.3%; Score 20.2; DB 12; Length 50;  
 Best Local Similarity 71.4%; Pred. No. 5.5e+03; DB Matches 25; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

Qy 43 TCCGGAAGCTCTAGGACAGGTCTCTCTGGT 77  
 Db 50 TCTGACTCTGTGAGGCAAGTGTCTCTGGT 16

RESULT 7

US-10-310-914A-6285  
 Sequence 6285, Application US/10310914A

GENERAL INFORMATION:  
 APPLICANT: Bentwich, Isaac

APPLICANT: Shiler, Kvurat

TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and

TITLE OF INVENTION: uses thereof  
 FILE REFERENCE: 06087.0200.CP01

CURRENT APPLICATION NUMBER: US/10/310, 914A  
 CURRENT FILING DATE: 2002-12-06  
 NUMBER OF SEQ ID NOS: 1388402  
 SOFTWARE: PatentIn version 3.3  
 SEQ ID NO 6285

LENGTH: 79

TYPE: RNA  
 ORGANISM: Human  
 US-10-310-914A-6285

Query Match 12.2%; Score 20; DB 8; Length 79;  
 Best Local Similarity 51.9%; Pred. No. 7.1e+03; DB Matches 27; Conservative 5; Mismatches 20; Indels 0; Gaps 0;

Qy 58 GGCACAGGTCTTCCTGGTGTCACTGCTTACCCGGAGGAGGAG 109  
 Db 28 GGCCACGGCCCCGGCUGACAGACUGGUCCUCUCUGGAGGAGGCGAG 79

RESULT 8

US-11-175-859-2464  
 Sequence 2464, Application US/11175859  
 Publication No. US20060024715A1

GENERAL INFORMATION:  
 APPLICANT: Affymetrix, Inc.

APPLICANT: Liu, Guoying et al.

TITLE OF INVENTION: Method of Analysis of Human Polymorphism  
 FILE REFERENCE: 3690.1

CURRENT APPLICATION NUMBER: US/11/175, 859  
 CURRENT FILING DATE: 2005-07-05  
 PRIORITY APPLICATION NUMBER: US 60/585, 352

PRIOR FILING DATE: 2004-07-02  
 NUMBER OF SEQ ID NOS: 116251  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO 2464

LENGTH: 50

TYPE: DNA  
 ORGANISM: homo sapien

US-11-175-859-2464

Query Match 12.0%; Score 19.6; DB 12; Length 50;  
 Best Local Similarity 63.6%; Pred. No. 8.5e+03; DB Matches 28; Conservative 1; Mismatches 15; Indels 0; Gaps 0;

Qy 115 TGCAGGCCACAGTGAGAACATCTGAGCTCAATCAGATA 158  
 Db 1 TGACAGAAACATTAAGATAAACACCCGATGCAATCAGAAA 44

RESULT 9

US-11-175-859-44910  
 Sequence 44910, Application US/11175859  
 Publication No. US20060024715A1

GENERAL INFORMATION:  
 APPLICANT: Affymetrix, Inc.

APPLICANT: Liu, Guoying et al.

TITLE OF INVENTION: Method of Analysis of Human Polymorphism  
 FILE REFERENCE: 3690.1

CURRENT APPLICATION NUMBER: US/11/175, 859  
 CURRENT FILING DATE: 2005-07-05  
 PRIORITY APPLICATION NUMBER: US 60/585, 352

PRIOR FILING DATE: 2004-07-02  
 NUMBER OF SEQ ID NOS: 116251  
 SOFTWARE: PatentIn version 3.2  
 NUMBER OF SEQ ID NOS: 116251

SEQ ID NO 44910

LENGTH: 50

TYPE: DNA  
 ORGANISM: homo sapien

US-11-175-859-44910

Query Match 11.8%; Score 19.4; DB 12; Length 50;  
 Best Local Similarity 74.2%; Pred. No. 9.8e+03; DB Matches 23; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

Qy 128 GTGAGAGACATGTGAGCAATCCGATAA 158  
 Db 5 GTGCAGATATCTGACTCAATGAAATCA 35

RESULT 10

US-10-939-294A-3704/c  
 Sequence 3704, Application US/10939294A  
 Publication No. US20050266417A1

GENERAL INFORMATION:  
 APPLICANT: Barany, Francis

APPLICANT: Turner, Daniel

APPLICANT: Pingle, Maneesh

TITLE OF INVENTION: Methods for identifying target nucleic acid molecules  
 FILE REFERENCE: 19603/4121 (CRF D-2995-02)

CURRENT APPLICATION NUMBER: US/10/939, 294A  
 CURRENT FILING DATE: 2004-09-10



Query Match 11.6%; Score 19; DB 10; Length 19;  
 Best Local Similarity 78.9%; Pred. No. 1e-04; 0; Mismatches 3;  
 Matches 15; Conservative 4; Mismatches 0; Indels 0; Gaps 0; OQ  
 Qy 143 GTCATAATCCAGATAAGC 161  
 Db 1 GCUCAAAUCCAGAUAGUG 19

RESULT 15 11.6%; Score 19; DB 10; Length 19;  
 US-11-101-244-33868B  
 Sequence 33868B, Application US/11101244  
 Publication No. US20050246794A1  
 GENERAL INFORMATION:  
 APPLICANT: Dharmacon, Inc.  
 APPLICANT: Khorrova, Anastasia  
 APPLICANT: Reynolds, Angela  
 APPLICANT: Leake, Devin  
 APPLICANT: Marshall, William  
 APPLICANT: Scaringe, Stephen  
 TITLE OF INVENTION: Functional and Hyperfunctional siRNA  
 FILE REFERENCE: 13499US  
 CURRENT APPLICATION NUMBER: US/11101-244  
 CURRENT FILING DATE: 2005-04-07  
 PRIOR APPLICATION NUMBER: 60/502, 050  
 PRIOR FILING DATE: 2003-09-10  
 PRIOR APPLICATION NUMBER: 60/426, 137  
 PRIOR FILING DATE: 2002-11-14  
 NUMBER OF SEQ ID NOS: 1591911  
 SOFTWARE: Proprietary  
 SEQ ID NO 33868B  
 LENGTH: 19  
 TYPE: RNA  
 ORGANISM: Homo sapiens  
 US-11-101-244-33868B

RESULT 16 11.6%; Score 19; DB 10; Length 19;  
 Query Match 11.6%; Score 19; DB 10; Length 19;  
 Best Local Similarity 84.2%; Pred. No. 1e+04; 0; Mismatches 0;  
 Matches 16; Conservative 3; Mismatches 0; Indels 0; Gaps 0; OQ  
 Qy 141 GAGCTCAAATCCAGATAG 159  
 Db 1 GAGCUCAAUCCAGAUAG 19

RESULT 17 11.6%; Score 19; DB 10; Length 19;  
 US-11-101-244-338724  
 Sequence 338724, Application US/11101244  
 Publication No. US20050246794A1  
 GENERAL INFORMATION:  
 APPLICANT: Dharmacon, Inc.  
 APPLICANT: Khorrova, Anastasia  
 APPLICANT: Reynolds, Angela  
 APPLICANT: Leake, Devin  
 APPLICANT: Marshall, William  
 APPLICANT: Scaringe, Stephen  
 TITLE OF INVENTION: Functional and Hyperfunctional siRNA  
 FILE REFERENCE: 13499US  
 CURRENT APPLICATION NUMBER: US/11101-244  
 CURRENT FILING DATE: 2005-04-07  
 PRIOR APPLICATION NUMBER: 60/502, 050  
 PRIOR FILING DATE: 2003-09-10  
 PRIOR APPLICATION NUMBER: 60/426, 137  
 PRIOR FILING DATE: 2002-11-14  
 NUMBER OF SEQ ID NOS: 1591911  
 SOFTWARE: Proprietary  
 SEQ ID NO 338724  
 LENGTH: 19  
 TYPE: RNA  
 ORGANISM: Homo sapiens  
 US-11-101-244-338724

RESULT 18 11.6%; Score 19; DB 10; Length 19;  
 US-11-101-244-338750  
 Sequence 338750, Application US/11101244  
 Publication No. US20050246794A1  
 GENERAL INFORMATION:  
 APPLICANT: Dharmacon, Inc.  
 APPLICANT: Khorrova, Anastasia  
 APPLICANT: Reynolds, Angela  
 APPLICANT: Leake, Devin  
 APPLICANT: Marshall, William  
 APPLICANT: Scaringe, Stephen  
 TITLE OF INVENTION: Functional and Hyperfunctional siRNA  
 FILE REFERENCE: 13499US  
 CURRENT APPLICATION NUMBER: US/11101-244  
 CURRENT FILING DATE: 2005-04-07  
 PRIOR APPLICATION NUMBER: 60/502, 050  
 PRIOR FILING DATE: 2003-09-10  
 PRIOR APPLICATION NUMBER: 60/426, 137  
 PRIOR FILING DATE: 2002-11-14  
 NUMBER OF SEQ ID NOS: 1591911  
 SOFTWARE: Proprietary  
 SEQ ID NO 338750  
 LENGTH: 19  
 TYPE: RNA  
 ORGANISM: Homo sapiens  
 US-11-101-244-338691



QY 131 AAGACATCTGAGCTCAA 149  
 ; : : : : : : : : : : : : : : : :  
 ; 1 AAGACAUCAUCAGUCUCAA 19

RESULT 23  
 US-11-101-244-338824  
 ; Sequence 338824, Application US/11101244  
 ; Publication No. US20050246794A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Dharmacon, Inc.  
 ; APPLICANT: Khorrova, Anastasia  
 ; APPLICANT: Reynolds, Angela  
 ; APPLICANT: Leake, Devin  
 ; APPLICANT: Marshall, William  
 ; APPLICANT: Scaringe, Stephen  
 ; TITLE OF INVENTION: Functional and Hyperfunctional siRNA  
 ; FILE REFERENCE: 13499US  
 ; CURRENT APPLICATION NUMBER: US/11/101,244  
 ; CURRENT FILING DATE: 2005-04-07  
 ; PRIOR APPLICATION NUMBER: 6/0502,050  
 ; PRIOR FILING DATE: 2003-09-10  
 ; PRIOR APPLICATION NUMBER: 6/0426,137  
 ; PRIOR FILING DATE: 2002-11-14  
 ; NUMBER OF SEQ ID NOS: 1591911  
 ; SOFTWARE: Proprietary  
 ; SEQ ID NO 338824  
 ; LENGTH: 19  
 ; TYPE: RNA  
 ; ORGANISM: Homo sapiens  
 ; US-11-101-244-338824

Query Match 11.6%; Score 19; DB 10; Length 19;  
 Best Local Similarity 84.2%; Pred. No. 1e+04; Mismatches 0; Indels 0; Gaps 0;  
 Matches 16; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 130 GAAGAACATCTGAGCTCAA 148  
 ; : : : : : : : : : : : : : : : :  
 ; 1 GAAGAACAUCAUCAGUCUCAA 19

RESULT 24  
 US-11-101-244-338849  
 ; Sequence 338849, Application US/11101244  
 ; Publication No. US20050246794A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Dharmacon, Inc.  
 ; APPLICANT: Khorrova, Anastasia  
 ; APPLICANT: Reynolds, Angela  
 ; APPLICANT: Leake, Devin  
 ; APPLICANT: Marshall, William  
 ; APPLICANT: Scaringe, Stephen  
 ; TITLE OF INVENTION: Functional and Hyperfunctional siRNA  
 ; FILE REFERENCE: 13499US  
 ; CURRENT APPLICATION NUMBER: US/11/101,244  
 ; CURRENT FILING DATE: 2005-04-07  
 ; PRIOR APPLICATION NUMBER: US/10/714,333  
 ; PRIOR FILING DATE: 2003-11-14  
 ; PRIOR APPLICATION NUMBER: 6/0502,050  
 ; PRIOR FILING DATE: 2003-09-10  
 ; PRIOR APPLICATION NUMBER: 6/0426,137  
 ; PRIOR FILING DATE: 2002-11-14  
 ; NUMBER OF SEQ ID NOS: 1591911  
 ; SOFTWARE: Proprietary  
 ; SEQ ID NO 338871  
 ; LENGTH: 19  
 ; TYPE: RNA  
 ; ORGANISM: Homo sapiens  
 ; US-11-083-784-338671

Query Match 11.6%; Score 19; DB 11; Length 19;  
 Best Local Similarity 78.9%; Pred. No. 1e+04; Mismatches 4; Indels 0; Gaps 0;  
 Matches 15; Conservative 7; Mismatches 4; Indels 0; Gaps 0;

QY 133 GAACATCTGAGCTCAAAC 151  
 ; : : : : : : : : : : : : : : : :  
 ; 1 GAACAUCAUCAGUCUCAAUC 19

Search completed: March 3, 2006, 07:56:43  
 Job time : 891.776 secs

Query Match 11.6%; Score 19; DB 10; Length 19;  
 Best Local Similarity 73.7%; Pred. No. 1e+04; Mismatches 0; Indels 0; Gaps 0;  
 Matches 14; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

US-11-101-244-338849

This Page Blank (uspto)

November 2005

Published\_Applications Nucleic Acid and Published\_Applications Amino Acid database searches now generate two sets of results each. The Published\_Applications databases have been split into two parts to reduce the amount of time required for their daily updates. This results in more machine time being available for processing searches.

Newly published applications will appear in the Published\_Applications\_New databases; older published applications make up the Published\_Applications\_Main databases.

Searches run against Nucleic Acid Published\_Applications produce two sets of results, with the extensions **.rnpbm** (Published\_Applications\_NA\_Main) and **.rnpbn** (Published\_Applications\_NA\_New).

Searches run against Amino Acid Published\_Applications produce two sets of results, with the extensions **.rapbm** (Published\_Applications\_AA\_Main) and **.rapbn** (Published\_Applications\_AA\_New).

**This Page Blank (uspto)**